



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 10261195
SAU: Brunswick School Department
School: Brunswick Jr High School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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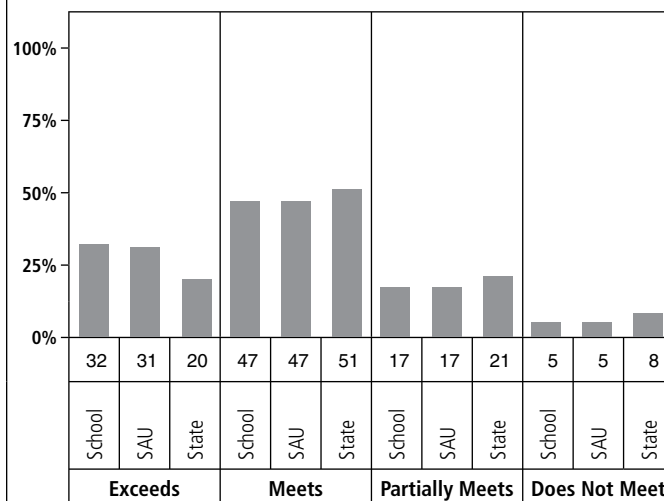
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

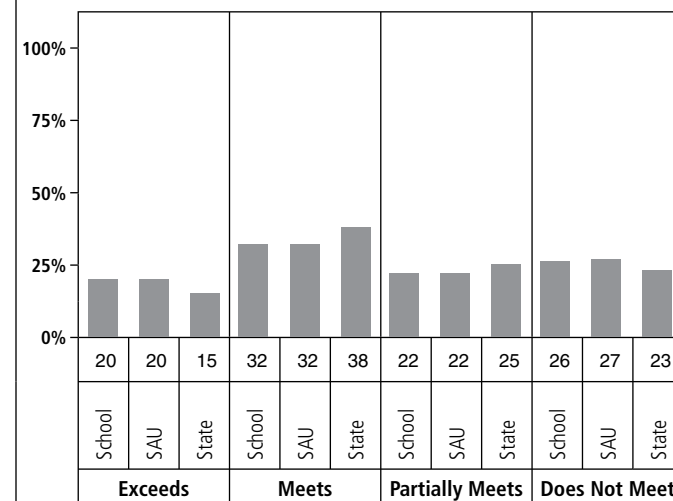
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	851	851	847
2007–2008	853	853	849
2008–2009	854	854	850
Cum. Avg.*	853	853	849
Mathematics			
2006–2007	845	844	842
2007–2008	843	843	841
2008–2009	842	842	843
Cum. Avg.*	843	843	842
Science			
2008–2009 **	845	845	846

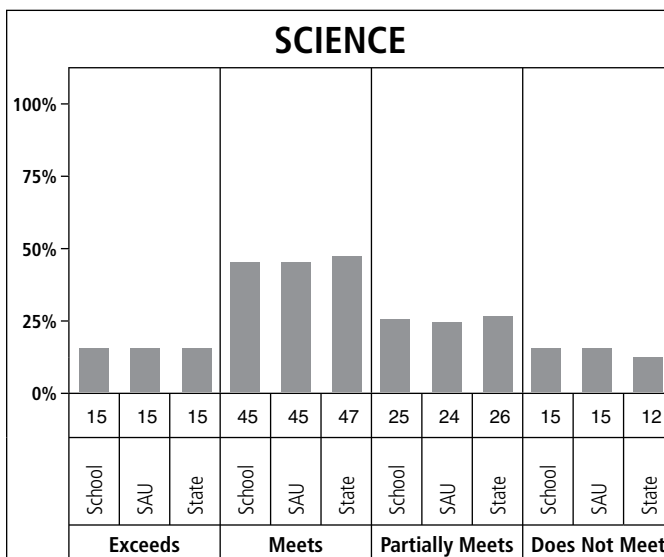
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	224	100	225	100	14804	100	223	100	224	100	14659	99	222	100	223	100	14653	99	221	99	222	99	14626	99
Ethnicity African American/Black	7	3	7	3	377	3	7	100	7	100	366	97	7	100	7	100	371	98	7	100	7	100	367	97
American Indian or Native Alaskan	1	0	1	0	119	1	1	100	1	100	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	7	3	7	3	238	2	7	100	7	100	232	97	7	100	7	100	234	98	7	100	7	100	234	98
Hispanic	12	5	12	5	192	1	12	100	12	100	188	98	12	100	12	100	191	100	12	100	12	100	190	99
Caucasian/White	197	88	198	88	13878	94	196	100	197	100	13756	99	196	100	197	100	13742	99	195	99	196	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	33	15	35	16	2489	17	33	100	35	100	2434	99	33	100	35	100	2424	98	32	97	34	97	2418	98
Current LEP	4	2	4	2	349	2	4	100	4	100	331	95	4	100	4	100	342	98	4	100	4	100	338	97
Economically disadvantaged	50	22	50	22	5460	37	50	100	50	100	5380	99	49	98	49	98	5377	99	49	98	49	98	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	185	83	185	82	12132	82	186	83	186	83	12124	82	185	83	185	82	12169	82
Identified disability (PET/IEP)	1	1	2	1	379	3	3	2	4	2	380	3	2	1	3	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	3	2	3	2	200	2	3	2	3	2	200	2	3	2	3	2	202	2
Participation with accommodations	37	17	38	17	2349	16	35	16	36	16	2347	16	35	16	36	16	2288	15
Identified disability (PET/IEP)	31	84	32	84	1877	80	29	83	30	83	1862	79	29	83	30	83	1824	80
LEP	4	11	4	11	158	7	4	11	4	11	167	7	4	11	4	11	165	7
504 plan	2	5	2	5	70	3	2	6	2	6	70	3	2	6	2	6	66	3
Other	1	3	1	3	292	12	1	3	1	3	297	13	1	3	1	3	280	12
Participation through alternate assessment (PAAP)	1	0	1	0	178	1	1	0	1	0	182	1	1	0	1	0	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	1	100	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	0	1	0	32	0	1	0	1	0	34	0	1	0	1	0	38	0
Non-participation – other	0	0	0	0	113	1	1	0	1	0	117	1	2	1	2	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	55	24	55	23	2407	16
	2007-2008	74	33	74	33	3428	23
	2008-2009	70	32	69	31	2857	20
	Cum. Total*	199	29	198	29	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	116	50	117	49	7494	49
	2007-2008	103	46	103	46	7179	48
	2008-2009	104	47	105	47	7431	51
	Cum. Total*	323	48	325	48	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	46	20	46	19	3628	24
	2007-2008	28	13	28	13	2706	18
	2008-2009	37	17	37	17	2979	21
	Cum. Total*	111	16	111	16	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	17	7	19	8	1810	12
	2007-2008	18	8	19	8	1611	11
	2008-2009	11	5	12	5	1214	8
	Cum. Total*	46	7	50	7	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	38.0	67.9	37.8	67.5	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.3	66.5	13.3	66.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.7	68.6	24.6	68.3	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Brunswick School Department
 School: Brunswick Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	222	70	32	104	47	37	17	11	5	854	223	31	47	17	5	854	14481	20	51	21	8	850
Ethnicity																						
African American/Black	7	0	0	4	57	2	29	1	14	843	7	0	57	29	14	843	362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	7	2	29	3	43	1	14	1	14	852	7	29	43	14	14	852	231	28	43	19	10	851
Hispanic	12	5	42	4	33	3	25	0	0	854	12	42	33	25	0	854	186	17	48	23	12	847
Caucasian/White	195	63	32	93	48	31	16	8	4	854	196	32	48	16	5	854	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	32	1	3	7	22	17	53	7	22	836	34	3	24	50	24	835	2256	2	25	40	34	834
No	190	69	36	97	51	20	11	4	2	857	189	36	51	11	2	857	12225	23	56	17	4	853
Current LEP																						
Yes	4										4						324	5	34	36	26	838
No	218	70	32	102	47	35	16	11	5	854	219	32	47	16	5	854	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	49	2	4	20	41	18	37	9	18	840	49	4	41	37	18	840	5277	10	46	29	15	844
No	173	68	39	84	49	19	11	2	1	858	174	39	49	11	2	857	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	222	70	32	104	47	37	17	11	5	854	223	31	47	17	5	854	14476	20	51	21	8	850
Gender																						
Female	112	46	41	46	41	14	13	6	5	856	111	41	41	13	5	856	7074	25	51	18	6	852
Male	110	24	22	58	53	23	21	5	5	852	112	21	53	21	5	851	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	222	70	32	104	47	37	17	11	5	854	223	31	47	17	5	854	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	222	70	32	104	47	37	17	11	5	854	223	31	47	17	5	854	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	4	40	3	30	3	30	835	5	0	36	27	36	832	8	8	39	29	24	841
B. less than one hour	44	21	22	49	52	21	22	4	4	852	44	21	53	22	4	852	51	17	53	22	8	849
C. one to two hours	47	46	46	45	45	9	9	1	1	860	46	46	45	9	1	860	36	24	52	18	5	852
D. more than two hours	5	3	27	5	45	3	27	0	0	850	5	27	45	27	0	850	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	25	33	62	18	34	1	2	1	2	865	25	61	35	2	2	865	31	35	50	11	4	856
B. good	49	30	28	52	49	18	17	6	6	853	49	27	49	17	7	853	47	16	55	21	7	849
C. fair	21	6	13	27	60	11	24	1	2	848	21	13	60	24	2	848	18	5	47	33	15	842
D. poor	6	1	8	5	42	6	50	0	0	845	6	8	42	50	0	845	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	38	47	57	31	38	3	4	1	1	863	38	57	38	4	1	863	32	27	54	14	5	853
B. They match some of what I have learned.	44	22	23	51	54	19	20	3	3	852	44	22	54	20	3	852	52	18	53	22	8	850
C. They match just a little of what I have learned.	14	1	3	20	67	8	27	1	3	846	15	3	66	25	6	845	12	11	45	29	15	844
D. There is no match.	4	0	0	0	0	5	63	3	38	828	4	0	0	63	38	828	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	23	7	14	25	50	14	28	4	8	848	24	14	49	27	10	847	15	13	42	28	17	844
B. about the same as my regular schoolwork	62	51	38	59	44	20	15	3	2	856	61	38	45	15	2	856	64	19	53	20	7	850
C. easier than my regular schoolwork	15	12	38	18	56	1	3	1	3	859	15	36	58	3	3	859	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	11	1	4	10	42	10	42	3	13	841	12	4	40	40	16	839	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	56	25	21	71	59	20	17	4	3	852	55	20	60	17	3	852	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	33	44	62	22	31	4	6	1	1	864	33	61	32	6	1	864	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	32	20	29	35	51	11	16	2	3	854	32	28	51	16	4	853	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	59	45	36	53	42	22	18	5	4	855	59	36	43	17	4	855	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	5	25	13	65	1	5	1	5	855	9	25	65	5	5	855	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	17	21	58	10	28	3	8	2	6	861	17	58	28	8	6	861	19	26	53	15	6	853
B. 20 minutes to an hour	45	40	41	45	46	10	10	2	2	858	44	40	47	10	2	858	40	25	52	17	6	852
C. less than 20 minutes	13	5	18	15	54	7	25	1	4	852	13	18	54	25	4	852	15	18	51	21	10	849
D. I rarely read at home.	26	4	7	33	59	16	29	3	5	846	26	7	58	28	7	845	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	39	46	55	30	36	7	8	1	1	862	39	54	36	8	1	862	42	27	51	15	6	853
B. agree	52	24	21	66	58	19	17	4	4	852	52	20	58	17	4	851	50	15	53	23	9	848
C. disagree	8	0	0	7	39	8	44	3	17	839	8	0	39	44	17	839	7	8	46	32	14	843
D. strongly disagree	1	0	0	0	0	2	100	0	0	838	1	0	0	100	0	838	2	6	39	35	21	840
Optional school/SAU question																						
A.	33	0	0	1	33	2	67	0	0	840	33	0	33	67	0	840						
B.	33	0	0	2	67	0	0	1	33	845	33	0	67	0	33	845						
C.	11	0	0	0	0	1	100	0	0	838	11	0	0	100	0	838						
D.	22	0	0	0	0	2	100	0	0	838	22	0	0	100	0	838						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	40	17	40	17	1952	13
	2007-2008	35	16	35	16	1657	11
	2008-2009	44	20	44	20	2116	15
	Cum. Total*	119	18	119	17	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	91	39	92	39	5870	38
	2007-2008	82	37	82	37	5956	40
	2008-2009	71	32	71	32	5443	38
	Cum. Total*	244	36	245	36	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	58	25	58	24	3982	26
	2007-2008	52	23	52	23	3729	25
	2008-2009	48	22	48	22	3556	25
	Cum. Total*	158	23	158	23	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	45	19	47	20	3534	23
	2007-2008	54	24	55	25	3579	24
	2008-2009	58	26	59	27	3356	23
	Cum. Total*	157	23	161	24	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	28.7	51.3	28.6	51.1	28.6	51.1
A. Number	8	14	4.2	52.5	4.2	52.5	3.7	46.3
B. Data	16	29	8.9	55.6	8.9	55.6	8.9	55.6
C. Geometry	12	21	4.7	39.2	4.7	39.2	5.0	41.7
D. Algebra	20	36	10.9	54.5	10.8	54.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Brunswick School Department
 School: Brunswick Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	221	44	20	71	32	48	22	58	26	842	222	20	32	22	27	842	14471	15	38	25	23	843
Ethnicity																						
African American/Black	7	0	0	0	0	3	43	4	57	825	7	0	0	43	57	825	367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	7	0	0	4	57	2	29	1	14	839	7	0	57	29	14	839	233	27	33	20	21	847
Hispanic	12	0	0	5	42	3	25	4	33	834	12	0	42	25	33	834	190	8	31	26	34	836
Caucasian/White	195	44	23	62	32	40	21	49	25	844	196	22	32	20	26	843	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	32	0	0	3	9	7	22	22	69	821	34	0	12	21	68	821	2242	2	12	22	63	824
No	189	44	23	68	36	41	22	36	19	846	188	23	36	22	19	846	12229	17	42	25	16	846
Current LEP																						
Yes	4										4						336	6	18	26	51	829
No	217	44	20	70	32	46	21	57	26	843	218	20	32	21	27	842	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	48	0	0	11	23	10	21	27	56	828	48	0	23	21	56	828	5270	6	30	28	36	835
No	173	44	25	60	35	38	22	31	18	847	174	25	34	22	18	846	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	221	44	20	71	32	48	22	58	26	842	222	20	32	22	27	842	14466	15	38	25	23	843
Gender																						
Female	111	24	22	30	27	26	23	31	28	843	110	22	26	24	28	843	7070	15	39	25	22	843
Male	110	20	18	41	37	22	20	27	25	842	112	18	38	20	25	841	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	221	44	20	71	32	48	22	58	26	842	222	20	32	22	27	842	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	221	44	20	71	32	48	22	58	26	842	222	20	32	22	27	842	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Brunswick School Department
 School: Brunswick Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	2	20	2	20	6	60	825	5	0	18	18	64	823	8	8	24	24	44	833
B. less than one hour	44	15	16	33	35	17	18	30	32	840	44	16	35	18	32	840	51	12	38	26	23	842
C. one to two hours	47	27	27	34	34	25	25	15	15	848	46	27	34	25	15	848	36	19	40	23	19	845
D. more than two hours	5	2	18	2	18	3	27	4	36	836	5	18	18	27	36	836	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	32	22	32	29	43	8	12	9	13	853	32	32	43	12	13	853	28	33	41	15	11	852
B. good	51	19	17	35	32	26	24	29	27	841	51	17	32	24	27	841	45	11	43	25	21	842
C. fair	14	2	7	6	20	10	33	12	40	831	14	7	20	33	40	831	21	3	27	35	35	834
D. poor	2	0	0	1	20	1	20	3	60	831	3	0	17	17	67	826	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	23	24	48	15	30	9	18	2	4	859	23	48	30	18	4	859	28	23	41	21	15	848
B. They match some of what I have learned.	48	20	19	40	38	25	24	19	18	844	48	19	38	24	18	844	52	13	40	25	21	843
C. They match just a little of what I have learned.	22	0	0	15	32	11	23	21	45	831	22	0	32	23	45	831	16	8	28	30	34	836
D. There is no match.	7	0	0	0	0	2	13	13	87	815	7	0	0	13	88	814	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	49	7	7	35	34	22	21	40	38	835	49	7	33	21	39	835	32	6	34	29	32	837
B. about the same as my regular schoolwork	36	19	25	29	38	19	25	10	13	848	37	24	38	24	13	848	52	13	41	25	20	843
C. easier than my regular schoolwork	15	17	55	6	19	4	13	4	13	857	15	55	19	13	13	857	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	34	14	20	23	32	16	23	18	25	842	34	20	31	23	27	841	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	57	28	23	41	34	24	20	27	23	845	57	23	35	20	22	845	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	9	2	11	5	26	6	32	6	32	838	9	11	26	32	32	838	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	44	23	24	31	32	21	22	21	22	845	44	24	31	22	23	844	34	18	40	22	20	845
B. two or three days a week	45	19	20	37	38	21	22	20	21	845	44	20	38	22	21	845	35	14	38	26	21	843
C. two or three times each month	8	1	6	3	18	5	29	8	47	831	8	6	22	28	44	832	18	12	37	27	24	841
D. never or almost never	3	1	14	0	0	0	0	6	86	820	3	14	0	0	86	820	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	3	1	17	0	0	2	33	3	50	831	3	17	0	33	50	831	9	13	38	23	26	841
B. two or three days a week	8	3	18	7	41	5	29	2	12	845	8	18	41	29	12	845	17	11	37	26	26	841
C. two or three times each month	28	15	25	24	39	11	18	11	18	847	28	25	38	18	18	847	28	15	40	25	20	844
D. never or almost never	61	25	19	40	30	29	22	39	29	841	62	19	30	21	30	841	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	53	32	28	37	32	24	21	22	19	848	53	28	32	21	19	848	52	19	41	22	18	846
B. agree	39	9	11	28	33	21	25	26	31	838	39	11	33	25	32	837	39	11	35	27	27	840
C. disagree	6	1	8	5	42	0	0	6	50	829	6	8	42	0	50	829	6	7	28	26	39	835
D. strongly disagree	3	2	33	1	17	2	33	1	17	843	3	33	17	33	17	843	3	4	25	28	43	832
Optional school/SAU question																						
A.	33	0	0	0	0	1	33	2	67	821	33	0	0	33	67	821						
B.	33	0	0	2	67	0	0	1	33	833	33	0	67	0	33	833						
C.	11	0	0	0	0	0	0	1	100	822	11	0	0	0	100	822						
D.	22	0	0	1	50	0	0	1	50	824	22	0	50	0	50	824						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Brunswick School Department
School: Brunswick Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	34	15	34	15	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	99	45	99	45	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	54	25	54	24	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	33	15	34	15	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	31.7	56.6	31.6	56.4	32.0	57.1
D. The Physical Setting	31	55	17.2	55.5	17.1	55.2	17.1	55.2
D1/D2 Earth/Space	17	30	9.4	55.3	9.4	55.3	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.7	55.0	7.7	55.0	7.7	55.0
E. The Living Environment	25	45	14.5	58.0	14.5	58.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Brunswick School Department
 School: Brunswick Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	220	34	15	99	45	54	25	33	15	845	221	15	45	24	15	845	14263	15	47	26	12	846
Ethnicity																						
African American/Black	7	0	0	2	29	3	43	2	29	837	7	0	29	43	29	837	360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	7	2	29	2	29	1	14	2	29	843	7	29	29	14	29	843	230	20	44	23	13	848
Hispanic	12	0	0	7	58	3	25	2	17	842	12	0	58	25	17	842	184	9	45	29	16	842
Caucasian/White	194	32	16	88	45	47	24	27	14	846	195	16	45	24	14	846	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	31	1	3	6	19	12	39	12	39	831	33	3	21	36	39	832	2221	3	22	36	38	832
No	189	33	17	93	49	42	22	21	11	848	188	18	49	22	11	848	12042	17	51	24	7	848
Current LEP																						
Yes	4										4						331	4	20	39	37	832
No	216	34	16	99	46	51	24	32	15	846	217	16	46	24	15	846	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	48	1	2	15	31	14	29	18	38	833	48	2	31	29	38	833	5184	6	40	33	21	840
No	172	33	19	84	49	40	23	15	9	849	173	19	49	23	9	849	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	220	34	15	99	45	54	25	33	15	845	221	15	45	24	15	845	14258	15	47	26	12	846
Gender																						
Female	111	19	17	44	40	26	23	22	20	845	110	17	39	24	20	844	6953	14	47	28	11	846
Male	109	15	14	55	50	28	26	11	10	846	111	14	50	25	11	846	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	220	34	15	99	45	54	25	33	15	845	221	15	45	24	15	845	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	220	34	15	99	45	54	25	33	15	845	221	15	45	24	15	845	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Brunswick School Department
 School: Brunswick Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	2	20	3	30	5	50	830	5	0	18	27	55	828	8	8	34	28	30	837
B. less than one hour	44	11	12	40	42	28	29	16	17	843	44	12	42	29	17	843	51	14	48	27	11	846
C. one to two hours	47	23	23	49	49	22	22	7	7	851	46	23	49	22	7	851	36	19	48	24	9	848
D. more than two hours	5	0	0	8	73	1	9	2	18	845	5	0	73	9	18	845	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	15	13	39	12	36	6	18	2	6	854	15	39	36	18	6	854	23	27	47	17	8	851
B. good	44	18	19	55	59	18	19	3	3	852	44	19	58	19	4	851	53	15	50	26	10	847
C. fair	30	3	5	28	43	23	35	11	17	840	30	5	43	35	17	840	20	4	43	35	18	840
D. poor	11	0	0	4	17	7	29	13	54	829	11	0	17	29	54	829	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	15	7	21	20	61	1	3	5	15	852	15	21	61	3	15	852	26	20	49	23	9	849
B. They match some of what I have learned.	47	10	10	53	52	30	29	9	9	845	47	10	52	29	9	845	51	14	48	26	11	846
C. They match just a little of what I have learned.	31	15	23	21	32	21	32	9	14	847	30	23	31	32	14	846	18	13	44	28	15	844
D. There is no match.	7	2	13	4	27	2	13	7	47	833	8	12	29	12	47	833	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	46	14	14	39	40	29	30	16	16	843	46	14	40	30	16	843	32	13	45	28	14	844
B. about the same as my regular schoolwork	45	18	19	49	51	22	23	8	8	849	46	18	50	22	9	849	56	15	49	25	11	847
C. easier than my regular schoolwork	9	2	11	8	42	3	16	6	32	841	9	11	42	16	32	841	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	30	14	22	31	48	15	23	5	8	848	30	22	48	23	8	848	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	61	20	15	59	45	32	24	20	15	846	61	15	45	24	16	846	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	8	44	6	33	4	22	838	8	0	44	33	22	838	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	22	3	7	23	50	11	24	9	20	843	22	6	49	23	21	842	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	24	7	14	24	48	14	28	5	10	846	24	14	48	28	10	846	23	17	49	22	12	847
C. the course(s) described in B, plus physics	25	19	37	24	46	6	12	3	6	856	25	37	46	12	6	856	21	31	44	17	7	852
D. a life science and physical science class	30	5	8	25	40	22	35	10	16	841	29	8	40	35	16	841	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	24	13	25	26	50	12	23	1	2	852	24	25	51	23	2	852	27	23	47	20	10	849
B. agree	39	15	18	40	48	19	23	10	12	847	38	18	47	23	12	847	37	14	47	27	12	846
C. disagree	27	6	10	27	47	14	24	11	19	842	27	10	47	24	19	842	25	11	48	29	12	845
D. strongly disagree	11	0	0	6	26	9	39	8	35	835	11	0	25	38	38	834	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	31	17	25	36	54	10	15	4	6	852	31	25	54	15	6	852	31	22	46	22	10	849
B. agree	47	17	17	49	49	22	22	12	12	847	46	17	48	22	12	847	50	14	49	26	11	846
C. disagree	16	0	0	12	35	16	47	6	18	837	16	0	35	47	18	837	14	9	45	31	15	843
D. strongly disagree	7	0	0	2	14	4	29	8	57	830	7	0	13	27	60	829	5	3	38	34	25	837
Optional school/SAU question																						
A.	33	0	0	1	33	1	33	1	33	831	33	0	33	33	33	831						
B.	33	0	0	2	67	0	0	1	33	836	33	0	67	0	33	836						
C.	11	0	0	0	0	1	100	0	0	830	11	0	0	100	0	830						
D.	22	0	0	0	0	1	50	1	50	826	22	0	0	50	50	826						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number